

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>HUI-054US</b>
INTERNATIONAL APPLICATION NO. <b>PCT/US2004/044095</b>		U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/583,061</b>
INTERNATIONAL FILING DATE <b>20 December 2004</b>		PRIORITY DATE CLAIMED <b>18 December 2003</b>
TITLE OF INVENTION <b>MODULATION OF IMMUNE SYSTEM FUNCTION BY MODULATION OF POLYPEPTIDE ARGININE METHYLTRANSFERASES</b>		
APPLICANT(S) FOR DO/EO/US <b>Laurie H. GLIMCHER <i>et al.</i></b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))               <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).               <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))               <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>		
<b>Items 11 to 20 below concern document(s) or information included:</b>		
<ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input type="checkbox"/> A preliminary amendment.</li> <li>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> </ol>		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/583061</b>	INTERNATIONAL APPLICATION NO. <b>PCT/US2004/044095</b>	ATTORNEY'S DOCKET NUMBER <b>HUI-054US</b>	
<b>20. Other items or information:</b> <b>Response to Notification of Missing Requirements</b> <b>Copy of Notification of Missing Requirements</b> <b>Certificate of Express Mailing</b> <b>Return receipt postcard</b>			
The following fees have been submitted		<b>CALCULATIONS</b>	<b>PTO USE ONLY</b>
21. <input type="checkbox"/> Basic national fee (37 CFR 1.492(a)) ..... \$330		\$	
22. <input type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0 All other situations ..... \$220		\$	
23. <input type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) ..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority ..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB ..... \$430 All other situations ..... \$540		\$	
<b>TOTAL OF 21, 22 and 23 =</b>		<b>0.00</b>	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or in an electronic medium or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$270 for each additional 50 sheets of paper or fraction thereof.			
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE
- 100 =	/50 =		x \$270
			\$
Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total claims	- 20 =	0	x \$52
Independent claims	- 3 =	0	x \$220
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$390
<b>TOTAL OF ABOVE CALCULATIONS =</b>		<b>\$ 0.00</b>	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.		0.00	
<b>SUBTOTAL =</b>		<b>\$ 0.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		\$	
<b>TOTAL NATIONAL FEE =</b>		<b>\$ 0.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		\$	
		\$	
<b>TOTAL FEES ENCLOSED =</b>		<b>\$ 0.00</b>	
		Amount to be refunded:	\$
		Amount to be charged	\$

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- a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ 0.00 to cover the above fees.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 12-0080.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038. The PTO-2038 should only be mailed or faxed to the USPTO. However, when paying the basic national fee, the PTO-2038 may NOT be faxed to the USPTO.

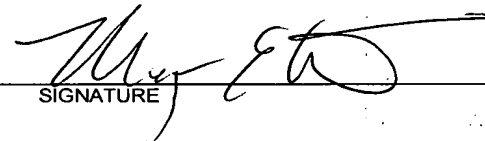
**ADVISORY:** If filing by EFS-Web, do NOT attach the PTO-2038 form as a PDF along with your EFS-Web submission. Please be advised that this is not recommended and by doing so your credit card information may be displayed via PAIR. To protect your information, it is recommended paying fees online by using the electronic payment method.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Giulio A. DeConti, Jr., Esq.  
LAHIVE & COCKFIELD, LLP  
One Post Office Square  
Boston, Massachusetts 02109-2127  
(617) 994-0771

CUSTOMER NUMBER: 00959

  
SIGNATURE

Megan E. Williams  
NAME

43,270  
REGISTRATION NUMBER

Date: October 23, 2008

Express Mail Label No. EM 192982906 US Dated: October 23, 2008

Docket No. HUI-054US  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Laurie H. Glimcher *et al.*

Application No. 10/583,061

International Filing Date: December 20, 2004

For: MODULATION OF IMMUNE SYSTEM  
FUNCTION BY MODULATION OF  
POLYPEPTIDE ARGININE  
METHYLTRANSFERASES

Confirmation No. 1564

Art Unit: Not Yet Assigned

Examiner: Not Yet Assigned

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS**

MS PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

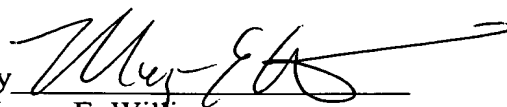
Dear Sir:

In response to the Notification of Missing Requirements mailed October 8, 2008, Applicants respectfully submit an executed combined Declaration and Power of Attorney, and Part 2 Copy of Notice.

Applicants believe no fee is due with this Response. However, if a fee is due, please charge our Deposit Account No. 12-0080, under Order No. HUI-054US from which the undersigned is authorized to draw.

Dated: October 23, 2008

Respectfully submitted,

By   
Megan E. Williams  
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# COPY



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
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Alexandria, Virginia 22313-1450  
www.uspto.gov

U.S. APPLICATION NUMBER NO. 10/583,061	FIRST NAMED APPLICANT Laurie H. Glimcher	ATTY. DOCKET NO. HUI-054US
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959  
LAHIVE & COCKFIELD, LLP  
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ONE POST OFFICE SQU/  
BOSTON, MA 02109

### DOCKETED

Dec. 6, 2008 - Missing Requirements  
May 8, 2009 - E.S.P. W/5 Mos. Ext.

INTERNATIONAL APPLICATION NO. PCT/US04/44095	
I.A. FILING DATE 12/20/2004	PRIORITY DATE 12/18/2003

**CONFIRMATION NO. 1564  
371 FORMALITIES LETTER**



Date Mailed: 10/08/2008

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated Office (37 CFR 1.494):

- Indication of Small Entity Status
- Priority Document
- Copy of the International Application filed on 06/15/2006
- Preliminary Amendments filed on 06/15/2006
- Biochemical Sequence Diskette filed on 06/15/2006
- Biochemical Sequence Listing filed on 06/15/2006
- U.S. Basic National Fees filed on 06/15/2006
- Priority Documents filed on 06/15/2006
- Specification filed on 06/15/2006
- Claims filed on 06/15/2006
- Abstracts filed on 06/15/2006
- Drawings filed on 06/15/2006
- Paper nucleotide sequence listings filed on 06/15/2006

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

Additionally the following defects have been observed:

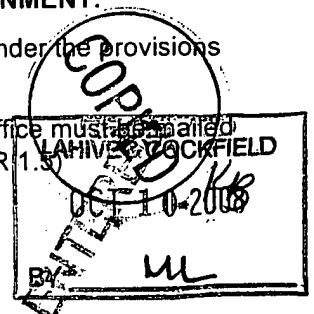
- The International Search Report has not be supplied, the Search Fee has been adjusted to reflect this omission.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.53).

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**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

TAMALA D HOLLAND

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Telephone: (703) 308-9140 EXT 209

## Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EM 192982906 US in an envelope addressed to:

MS PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on October 23, 2008  
Date



Signature

Megan E. Williams

Typed or printed name of person signing Certificate

43,270  
Registration Number, if applicable

(617) 994-0761  
Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Transmittal (3 pages)

Response to Notification of Missing Requirements (1 page)

Copy of Notification of Missing Requirements (2 pages)

Executed Declaration (2 pages)

Supplemental Application Data Sheet (3 pages)

Return Receipt Postcard

This Certificate of Express Mailing (1 page)